(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 29 April 2004 (29.04.2004)

PCT

(10) International Publication Number WO 2004/035600 A1

(51) International Patent Classification7:

C07H 21/00

(21) International Application Number:

PCT/EP2003/011354

- (22) International Filing Date: 14 October 2003 (14.10.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

102 47 790.6

14 October 2002 (14.10.2002) DE

- (71) Applicant (for all designated States except US): CHEMOGENIX GMBH [DE/DE]; Eichenweg 17, 84568 Pleiskirchen (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): STENGELE, Klaus-Peter [DE/DE]; Eichenweg 17, 84568 Pleiskirchen (DE). KVASSIOUK, Evgueni [DE/DE]; Metznerstrasse 3, 84478 Waldkraiburg (DE).

- (74) Agent: STOLMÁR, Matthias; DTS Munich, St.-Anna-Str. 15, 80538 München (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: METHOD OF MANUFACTURING LABELLED OLIGONUCLEOTIDE CONJUGATES

(57) Abstract: The present invention relates to a method for the manufacture of labeled oligonucleotide conjugates comprising the reaction of (a) an oligonucleotide having a labile protecting group bound to a terminal hydroxy group, and (b) a labeling compound, wherein said labile protecting group is partially or completely substituted by said labeling compound in a nucleophilic substitution reaction.